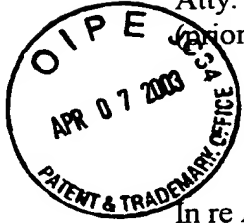


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DLC
04/24/03



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

John M. Belcea

Group Art Unit: 2661

Serial No.: 09/846,479

Examiner: Olms, Douglas W.

Filed: May 2, 2001

**FOR: Time Division Protocol For An Ad-Hoc,
Peer-To-Peer Radio Network Having
Coordinating Channel Access To Shared
Parallel Data Channels With Separate
Reservation Channel**

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§1.56 and 1.97-1.98, Applicants request that the Examiner consider the documents listed on the attached PTO-1449 Forms, which may be deemed material to the examination of the above-identified application. All of the documents cited on the attached PTO-1449 Forms are of record in parent application Serial No. 09/815,157, filed March 22, 2001, and therefore, copies of these items are not being provided in accordance with 37 C.F.R. 1.98(d)(2).

All documents, with the exception of French Patent FR2683326, are in English and require no statement of relevance. Regarding French Patent FR2683326, an English abstract is provided as a brief statement of relevance to the above identified Application as required under

37 C.F.R. § 1.98. Also, since the present Information Disclosure Statement is being filed prior to issuance of a first Office Action on the merits, no certification under 37 C.F.R. §§1.97 (e) or fee under 37 C.F.R. §1.17(b) is required.

The Examiner is requested to consider the attached documents in connection with the above-identified application and to return a copy of Form PTO-1449 to the Applicants with the Examiner's initials in the spaces provided.

Submission of this Information Disclosure Statement does not constitute an admission by the Applicants as to the materiality of the attached documents to the application, nor do the Applicants waive any right to challenge the validity of the documents as prior art should such action be deemed appropriate.

Respectfully submitted,

Ronald S. Grubb
Ronald S. Grubb
Attorney for Applicant
Reg. No. 48,672

Roylance, Abrams, Berdo & Goodman, L.L.P.
1300 19th Street, N.W., Suite 600
Washington, D.C. 20036-2680
(202) 659-9076

Dated: April 7, 2003

Form PTO-449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE APR 07 2003 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTY. DOCKET NO. 43947	SERIAL NO. 09/846,479
	APPLICANT John M. Belcea	
	FILING DATE May 2, 2001	GROUP 2661

U.S. Patent Documents

Examiner Initial	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	6,359,872	03/19/2002	Mahany et al.	370	338	10/28/1997
	6,349,210	02/19/2002	Li	455	450	11/03/2000
	6,349,091	02/19/2002	Li	370	238	11/07/2000
	6,327,300	12/04/2001	Souissi et al.	375	219	10/25/1999
	6,304,556	10/16/2001	Haas	370	254	08/24/1998
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	6,223,240	04/24/2001	Odenwald et al.	710	129	01/31/2000
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	6,178,337	01/23/2001	Spartz et al.	455	561	06/19/1997
	6,163,699	12/19/2000	Naor et al.	455	453	09/15/1997
	6,132,306	10/17/2000	Trompower	453	11.1	03/29/1996
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	6,067,297	05/23/2000	Beach	370	389	06/28/1996
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	6,064,626	05/16/2000	Stevens	365	233	07/31/1998
	6,052,752	04/18/2000	Kwon	710	126	11/14/1996
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	APPLICANT John M. Belcea	
	FILING DATE May 2, 2001	GROUP 2661



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	5,909,651	06/01/1999	Chander et al.	455	466	05/05/1997
	5,903,559	05/11/1999	Acharya et al.	370	355	12/20/1996
	5,896,561	04/20/1999	Schrader et al.	455	67.1	12/23/1996
	5,886,992	03/23/1999	Raatikainen et al.	370	410	04/15/1997
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	5,881,095	03/09/1999	Cadd	375	202	05/01/1997
	5,877,724	03/03/1999	Davis	342	357	03/25/1997
	5,870,350	02/09/1999	Bertin et al.	365	233	05/21/1997
	5,857,084	01/05/1999	Klein	395	309	10/02/1996
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	5,844,905	12/01/1998	McKay et al.	370	443	07/09/1996
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	5,809,518	09/15/1998	Lee	711	115	05/20/1996
	5,805,977	09/08/1998	Hill et al.	455	31.3	04/01/1996
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	5,796,732	08/18/1998	Mazzola et al.	370	362	03/28/1996
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	5,745,483	04/28/1998	Nakagawa et al.	370	335	09/29/1995
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	5,631,897	05/20/1997	Pacheco et al.	370	237	10/01/1993
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	5,615,212	03/25/1997	Ruszczyk et al.	370	438	09/11/1995

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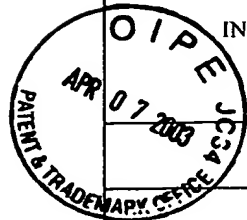
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
43947SERIAL NO.
09/846,479

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT
John M. BelceaFILING DATE
May 2, 2001GROUP
2661

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Foreign Patent Documents or Foreign Patent Applications

	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
						Yes	No
	EP 0513841 A2	11/19/1992	EPO			X	
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	WO 9912302	03/11/1999	WIPO			X	
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 43947		SERIAL NO. 09/846,479	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT John M. Belcea		FILING DATE May 2, 2001	
		GROUP 2661			

Foreign Patent Documents or Foreign Patent Applications							
Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation		
					Yes	No	
WO 9724005	07/03/1997	WIPO			X		
WO 9608884	03/21/1996	WIPO			X		
WO 0235253	05/02/2002	WIPO			X		
WO 0137483	05/25/2001	WIPO			X		
WO 0137482	05/25/2001	WIPO			X		
WO 0137481	05/25/2001	WIPO			X		
WO 0135567	05/17/2001	WIPO			X		
WO 0133770	05/10/2001	WIPO			X		
WO 0110154	02/08/2001	WIPO			X		
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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
		Wong et al., "Soft Handoffs in CDMA Mobile Systems", December 1997, IEEE Personal Communications
		Wong et al., "A Pattern Recognition System for Handoff Algorithms", July 2000, IEEE Journal on Selected Areas in Communications, vol. 18, no. 7
		Andras G. Valko, "Cellular IP: A New Approach to Internet Host Mobility", January 1999, ACM Computer Communication Review
		Richard North, Dale Bryan and Dennis Baker, "Wireless Networked Radios: Comparison of Military, Commercial, and R&D Protocols", February 28-March 3, 1999, 2 nd Annual UCSD Conference on Wireless Communications, San Diego CA
		Benjamin B. Peterson, Chris Kmiecik, Richard Hartnett, Patrick M. Thompson, Jose Mendoza and Hung Nguyen, "Spread Spectrum Indoor Geolocation", August 1998, Navigation: Journal of the Institute of Navigation, vol. 45, no. 2, summer 1998

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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sheet 5 of 11

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.
43947SERIAL NO.
09/846,479APPLICANT
John M. BelceaFILING DATE
5/2/2001

GROUP 2661

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

DISPENSED DOCUMENTS													
EXAMINER REF ID		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	9	4	3	3	2	2	8/99	Mayor, et al.	370	280	
	AB												
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AL						YES NO
	AM						
	AN						
	AO						
	AP						

OTHER

ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	"A Review of Current Routing Protocols for Ad-Hoc Mobile Wireless Networks", Royer, et al., Univ. of Calif.
AM	"The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks", IETF MANET Working Group; Josh Broch, et al., 12/98.
AT	"Ad hoc On-Demand Distance Vector Routing draft-ietf-manet-aodv-08.txt", Mobile Ad Hoc Networking Working Group, Charles E. Perkins, et al., March 2, 2001.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Information Disclosure Statement—Section 9 PTO-1449 (Modified) [8-1])

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sheet 6 of 11.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 43947	SERIAL NO. 09/846,479
	APPLICANT JOHN M. BELCEA	
	FILING DATE 5/2/2001	GROUP 2661

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FOREIGN PATENT DOCUMENTS															
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OTHER PATENT DOCUMENTS															

OTHER		ART (Including Author, Title, Date, Pertinent Pages, Etc.)
AR		"Optimized Link State Routing Protocol", IETF MANET Working Group, Philippe Jacquet, et al, September 2, 2001
AS		"The Dynamic Source Routing for Mobile Ad Hoc Networks", IETF MANET Working Group, David B. Johnson, et al., March 2, 2001
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EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance *and* not considered. Include copy of this form with next communication to applicant.

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LIST OF PATENTS AND PUBLICATIONS FOR
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ATTY. DOC#
43947SERIAL NO.
09/846,479

APPLICANT

John M. Belcea

FILING DATE
5/2/2001

GROUP 2661



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

REF#		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5	5	3	3	0	2	6	7/96	Ahmadi, et al.	370	94	
	B	5	6	4	4	5	7	6	7/97	Bauchot, et al.	370	437	
	C	5	7	4	8	6	2	4	5/98	Kondo	370	347	
	D	5	7	8	7	0	7	6	7/98	Anderson, et al.	370	294	
	E	5	9	8	7	0	1	1	11/99	Toh	370	331	
	F	6	0	1	6	3	1	1	1/00	Gilbert, et al.	370	280	
	G	6	0	2	8	8	5	3	2/00	Haartsen	370	338	
	H	6	0	2	9	0	7	4	2/00	Irvin	455	571	
	I	6	0	5	8	1	0	6	5/00	Cudak, et al.	370	313	
	J	6	0	8	8	3	3	7	7/00	Eastmond, et al.	370	280	
	K	6	0	9	7	7	0	4	8/00	Jackson, et al.	370	280	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	A													
	B													
	C													
	D													
	E													

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	A	"Topology Control of Multihop Wireless Networks using Transmit Power Adjustment", by Ram Ramanathan and Regina Rosales-Hain; BBN Technologies (Division of GTE), Cambridge, Mass. 1997.
	B	"Reversing the Collision-Avoidance Handshake in Wireless Networks" by J.J. Garcia-Luna-Aceves and Asimakis Tzamaloukas; Baskin School of Engineering, University of California, Santa Cruz, 1997
E	A	"Self-Organizing, Self-Healing Wireless Networks", by Chia Elliot and Bob Helle; BBN Technologies, Cambridge, Mass.; IEEE, 2000

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FORM PTO-1449 (Modified) 2.

ATTY. DOCY NO.
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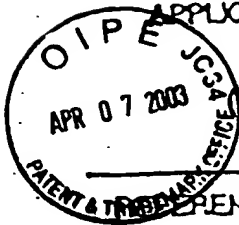
LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

APPLICANT

John M. Belcea

FILING DATE
5/2/2001

GROUP 2661



(Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER RHYL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6 1 0 4 7 1 2	8/00	Robert, et al.	370	389	
	AB	6 1 0 8 3 1 6	8/00	Agrawal, et al.	370	311	
	AC	6 1 3 0 8 8 1	10/00	Stiller, et al.	370	238	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	"A Performance Comparison of Multi-Hop Wireless Ad Hoc Network Routing Protocols", by Josh Broch, et al., Carnegie Mellon University, Pittsburgh, Pa., Proceedings of the Fourth Annual ACM/IEEE International Conference on Mobile Computing and Networking, 1998.
	AS	"USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol", by C. David Young, Rockwell International, Richardson, Texas
	AT	"Net Throughput with IEEE 802.11 Wireless LANs", by Ad Kamerman and Guido Aben, Lucent Tech., Nieuwegein, The Netherlands

EXAMINER

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FORM PTO-1460 (Modified) 3.

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SERIAL NO.

09/846,479

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

APPLICANT

John M. Belcea

FILING DATE

5/2/2001

GROUP

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(Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

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Technology Center 2601

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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AS	"The Core-Assisted Mesh Protocol", by J.J. Garcia-Luna-Aceves and Ewerton L. Madruga, Baskin School of Engineering, University of California, Santa Cruz; 1997.
AT	"Optimization of an Adaptive Link Control Protocol for Multimedia Packet Radio Networks", by J.R. McChesney, et al.; ITR Industries Aerospace Comm. Div.; Ft. Wayne, IN; 1997

EXAMINER

DATE CONSIDERED

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTATTY. DOC. NO.
43947SERIAL NO.
09/847,479APPLICANT
John M. BelceaFILING DATE
5/2/2001GROUP
2661

(Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER RTVL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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AT	

EXAMINER

DATE CONSIDERED

FORM PTO-1440 (modified) 5.

ATTY. DOC NO.
43947

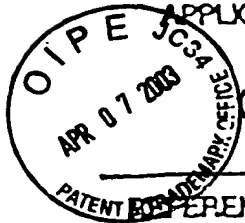
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LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

APPLICANT
John M. Belcea

FILING DATE
5/2/2001

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2661



(Use several sheets if necessary)

U.S. PATENT DOCUMENTS									
EXAMINER REF.		DOCUMENT NUMBER						DATE	NAME
									CLASS
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AA									
AB									
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
AR		"Collision-Avoidance Transmission Scheduling for Ad-Hoc Networks", by Zhenyu Tang and J.J. Garcia-Luna-Aceves, University of California Santa Cruz, Calif., 1997.							
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EXAMINER

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